

FIG. 1

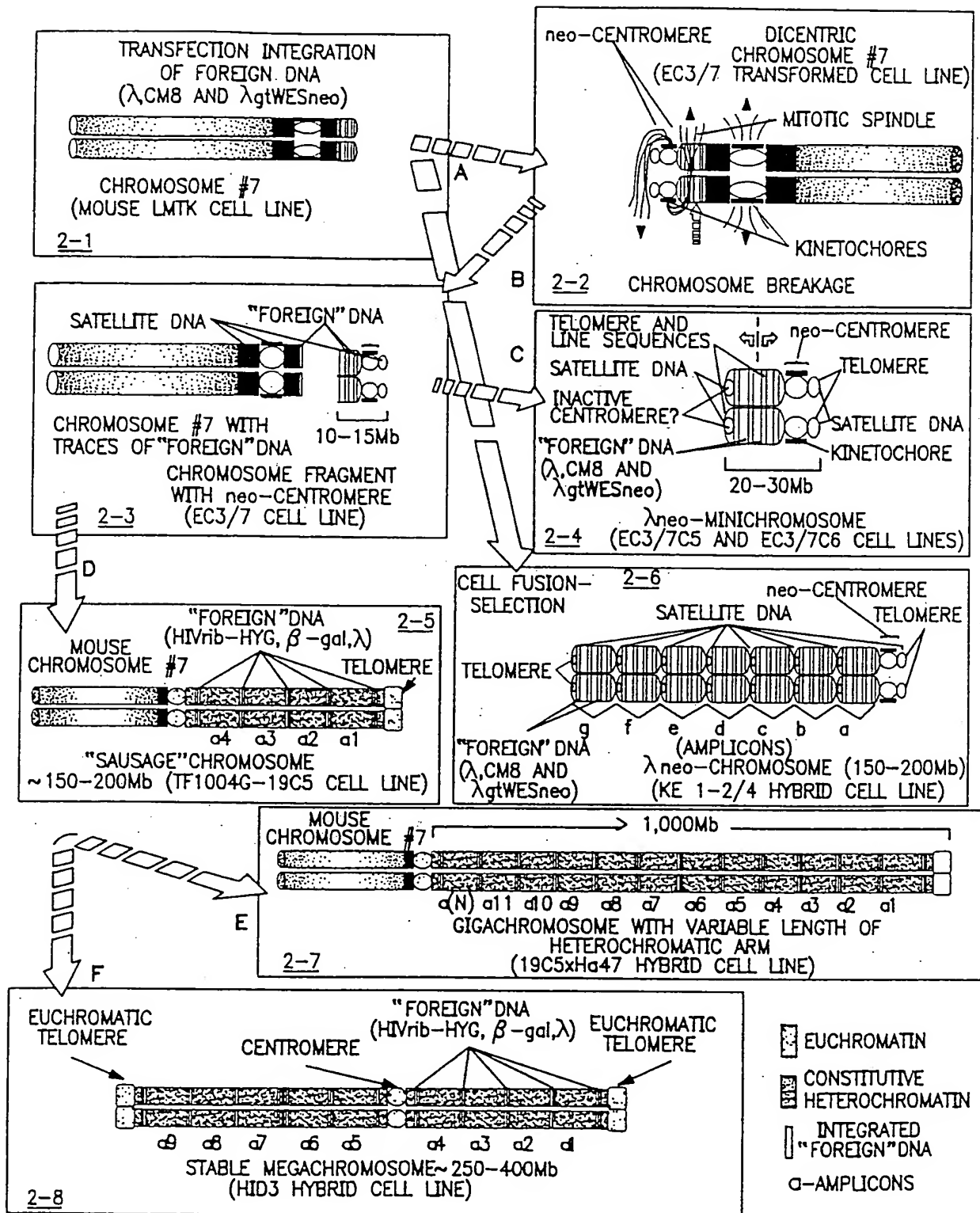


FIG. 2

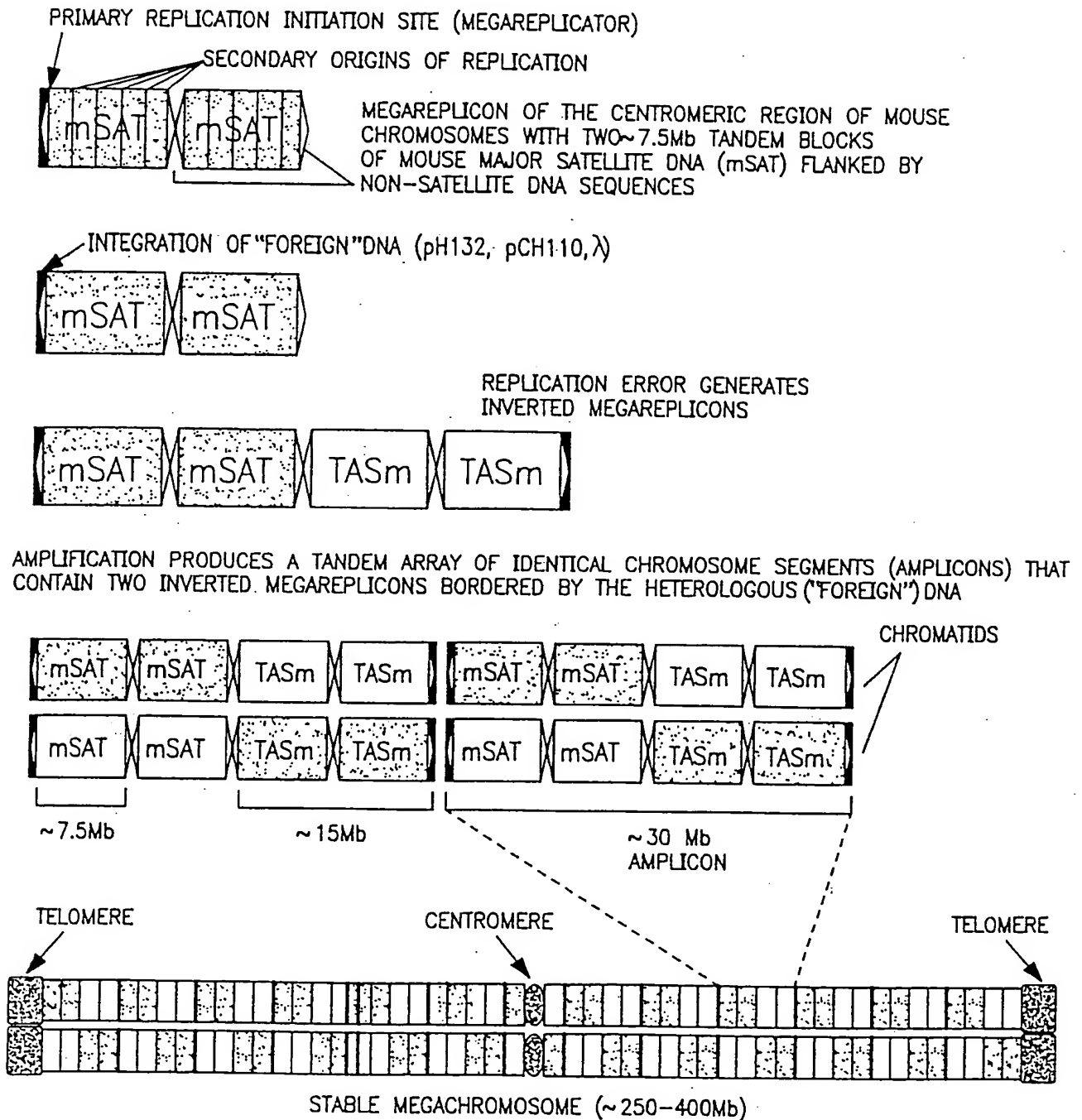
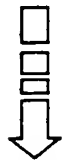


FIG. 3

EC3/7 MOUSE LMTK FIBROBLAST CELL LINE WITH neo-CENTROMERE
(HADLACZKY ET AL. PROC. NATL. ACAD. SCI. USA, 88:
8106-8110, 1991)



DEPOSITED IN THE EUROPEAN COLLECTION OF ANIMAL CELL CULTURE
(ECACC) ACCESSION NUMBER 9005 1001

SINGLE-CELL SUBCLONING

EC3/7CSMOUSE LMTK FIBROBLAST CELL LINES WITH neo-MINICHROMOSOME
(HADLACZKY ET AL. PROC. NATL. ACAD. SCI. USA, 88:
8106-8110, 1991)



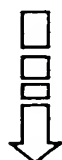
COTRANSFECTION WITH PLASMIDS pH132 (HIVRIBOZYME,
HYGROMYCIN RESISTANCE) pCH110 (β -GALACTOSIDASE), AND
LAMBDA PHAGE (λ C1 875 SAM7) DNA, SELECTION
WITH HYGROMYCIN B.

TF1004G-19C5* - MOUSE LMTK FIBROBLAST CELL LINES WITH
neo-MINICHROMOSOME, AND STABLE "SAUSAGE" CHROMOSOME



FUSION WITH CHINESE HAMSTER (CHO K20) CELL LINE,
SELECTION WITH HYGROMYCIN B AND HAT.

19C5xHa4 - MOUSE-HAMSTER HYBRID CELL LINE CARRYING THE
neo-MINICHROMOSOME AND THE "SAUSAGE" CHROMOSOME,
CONTAINING COMPLETE HAMSTER GENOME AND PARTIAL MOUSE
GENOME.



BrdU TREATMENT, SINGLE CELL CLONING, SELECTION:
G418 (NEOMYCIN) OR HYGROMYCIN, OR BOTH

G3DS* - MOUSE-HAMSTER HYBRID CELL LINE CARRYING THE
neo-MINICHROMOSOME AND THE MEGACHROMOSOME,
CONTAINING COMPLETE HAMSTER GENOME AND PARTIAL
MOUSE GENOME.



H1D3* - MOUSE-HAMSTER HYBRID CELL LINE CARRYING
NO neo-MINICHROMOSOME BUT THE MEGACHROMOSOME, IS
PRESENT, CONTAINING COMPLETE HAMSTER GENOME AND PARTIAL
MOUSE GENOME.



FUSION WITH CD4+ HeLa CELL LINE CARRYING THE
CD4 AND NEOMYCIN RESISTANCE GENE PLASMID CONSTRUCT
(CD4neo); SELECTION WITH G418 AND HYGROMYCIN B

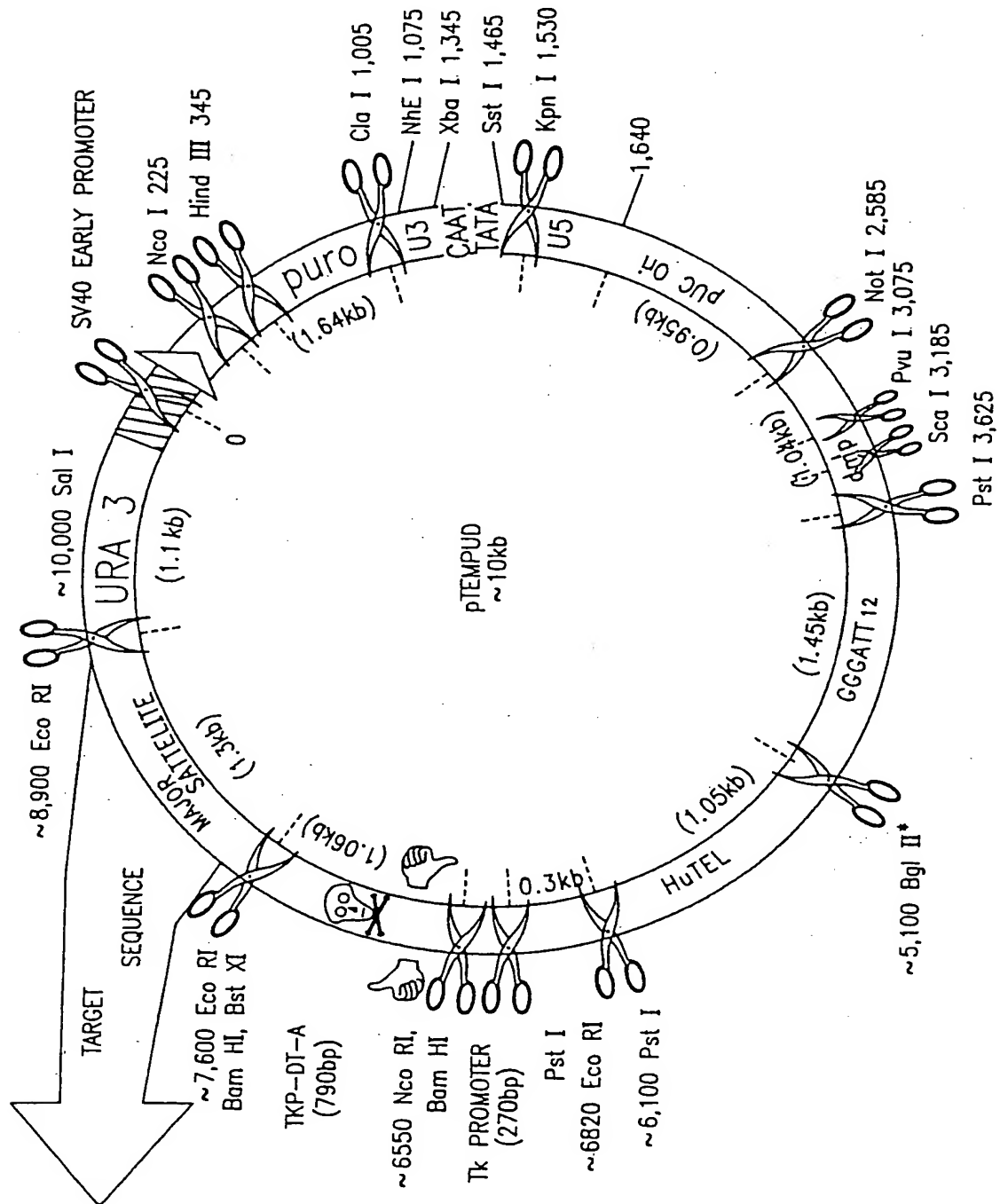
H1xHe41* - MOUSE-HAMSTER-HUMAN HYBRID CELL LINE CARRYING THE
MEGACHROMOSOME PRESENT, CONTAINING COMPLETE HAMSTER
GENOME, AND PARTIAL MOUSE GENOME, AND A SINGLE HUMAN
CHROMOSOME WITH INTEGRATED CD4neo CONSTRUCT (UNPUBLISHED).



REPEATED BrdU TREATMENT, SINGLE-CELL CLONING

1B3 - SAME AS H1xHe41, BUT APPROXIMATELY 25% OF THE CELLS
ARE CARRYING A TRUNCATED MEGACHROMOSOME

Figure 4



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